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Denson et al.(10) **Pub. No.: US 2016/0058654 A1**(43) **Pub. Date: Mar. 3, 2016**(54) **COMPRESSION GARMENT INFLATION**(71) Applicant: **Covidien LP**, Mansfield, MA (US)(72) Inventors: **Jesse Denson**, Lincoln, RI (US); **Scott Wudyka**, Marlborough, MA (US)(21) Appl. No.: **14/837,085**(22) Filed: **Aug. 27, 2015****Related U.S. Application Data**

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(57)

ABSTRACT

A compression device controller for use with a compression garment includes a pressurized fluid source (e.g., a pump), a manifold in fluid communication with the pressurized fluid source, a pressure sensor in communication with the manifold, at least two bladder ports, and at least two two-way valves. The pressure sensor is arranged to measure a signal representative of pressure in the manifold. Each bladder port is connectable in fluid communication to a respective inflatable bladder of the compression garment. Each two-way valve is in fluid communication with the manifold and with a respective bladder port. Each two-way valve is actuatable to control fluid communication between the manifold and the respective bladder port.

